1st and final Bill

Est. Cost : 100.00lakhs | Original/Duplicate/Triplicate | Tend Cost : 89.00lakhs

Work Order No. : Work Order No: EE/SWD/DHZ/WO/05/2016-17 dtd:04-01-2018. | Job No: 015-18-000011

CONTRACT CERTIFICATE

Division

Bill Received No. .....Date..... Cash Book Voucher No..... dated.....

Scheduled Docted No.

Name of Work (as per sanctioned estimate) **Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15**

Name of Contractor and Full Address: **Name of the Contractor : Smt K. Jayamma**

Reference Agreement No:EE/SWD/DHZ /AGMT/06/2017-18 dtd 04-01-2018.

Certified that the measurement were taken by me on 8/07/2018 and recorded of pages 159559 to 159569 of measurement Book No 1596 that the work is satisfactorily executed.

Jayamma. K. — Contractor

Officer-In-Charge of work

Certified that the measurements were taken by me on 8/7/2019 and found correct. the work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreen upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Assistant Executive Engineer

Storm Water Drain-Dasara... Zone

BBMP

if Memorandum of Payment

1) Total value of work done or supplies made as per account within	Present TUD	6839000=00
2) Deduct amount to be held in reserve being.....percent Rs.....		
3) Deduct amount to be held in Balance		
4) Deduct Payments:		
a) Amount of previous payment as in the office Cash Book Voucher No.....Dated .....S.D No.....	IT	68390=00
Amount adjusted towards cash advance recovery of	CGST	68390=00
b) Payments cost store or other materials supplied	SGST	68390=00
Now made recovery of amount creditable to this/other work	WWC	68390=00
Amount paid on this bill Cheque/Cash	CBF	6839=00
5) Balance being unpaid value of work done held in reserve	LR	163737=00
6) Deduct cash advance made on the Office Cash Book Voucher No..... dated..... less adjustments	Deductions	444136=00
7) Net amount due to or from contractor	Net	6394864=00
Unadjusted items		
8) Advance to contractor for materials brought to site (as detailed) with Value of Government materials supplied		

Contractor's Signature

Received Rs.....(in words)

.....

by cash and by adjustment of Payment as per memorandum.

Jayamma. K.

(For use in the Office)

Witnesses:

1

2

Dated.. ..... Signature of Contractor

Jayamma. K.

Audited & Admitted for Rs. 7659680=00

Stamp Cheque Rs. 7215544=00

By Adjustment Rs. 444136=00

Correction

Accts. Supdt. SWD, BBMP

Exe. Engineer Executive Engineer

Paid by me by cheque No..... .....dated.....

Cast Rs..... ..... dated.....

Initials of Officer making payment

Audited & Admitted for Rs. 6839000=00

Pay by Cheque Rs. 6394864=00

By Adjustment Rs. 444136=00

Accts. Supdt. SWD, BBMP

Exe. Engineer SWD, BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

Bill Form- RA Bill No-1st & Final

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Tender No: Per BAMP 2016-17 EP WORK_IND/NIT22271

Tender at EP rate 8.24 % below when compared to KPWD SR 2016-17

Agreement Amt Rs.8900786.00

Item no.	Description of Work	Unit	Rate	Previous Quantity		Present Quantity			Total Upto Date		Remarks
				Qty	Amount	Qty	Rate	Amount	Qty	Amount	
1	KSRR M200-12.3 Dismantling of Existing Structures like Culverts,Bridges,Retaining Walls and other structures comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding where ever necessary sorting the dismantled material disposal of unserviceable material and stacking the serviceable materia, with all lifts complete as per specifications.(Prestressed reinforced cement concrete grade M20 and above) as directed by the Engineer in charge of the work.	Cum	250.0	-	-	6.75	250.0	1687.5	6.75	1687.50	
2	Excavation of removal of silt mixed with sand, human excreta, garbage in slussy condition from Storm water drain in Bangalore City including disposing off the same as directed including cost of machinery labour, fuel etc., complete (By Mechanical Means) with all lead and lifts for disposing off to designated site as directed by the Engineer in charge of the work	Cum	600.00	-	-	422.12	600.00	253272.00	422.12	253272.00	
3	Diversion of water course by providing coffer dams or bunds or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc... complete beyond 1.50m depth upto & including 3m depth all leads and litts as directed by the Engineer in charge of the work	Cum	320.0	-	-	93.60	320.0	29952	93.60	29952.00	
4	Excavation in **marshy soil upto 3m** depth for foundation of structures as per drawing and technical specifications, removing the excavated stuf to a lead of 15m. including dewatering, shoring, refilling trenches in 250mm layers, wherever necessary watering and ramming including cost of all materials, labour complete as per specifications. V. Marshy Soil - B Mechanical means as directed by the Engineer in charge of the work.	Cum	110.0	-	-	215.28	110.0	23680.20	425.75	53210.27	
	- Quantity above 125%	Cum	140.30	-	-	210.47	140.30	29530.17	-		

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It. no.	Description of Work	Unit	Rate	Previous Quantity		Present Quantity			Total Upto Date		Remarks
				Qty	Amount	Qty	Rate	Amount	Qty	Amount	
5	KSRRB M2100-2.1 Earth work in excavation for foundation of structures such as culverts, bridges etc., as per drawing and technical specifications,including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications in Ordinary soil - B. Machanical Means (i) Depth upto 3m MORTH Specification No. 304 as directed by the Engineer in charge of the work.	Cum	401.86 50.0	502.33	-	502.33	50.0	25116.5	502.33	25116.50	
6	KSSRB M2100-5.1 Earth work Excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications as per MORTH specification No.304 . in Marshy soil upto 3m depth(By manual means) as directed by the Engineer in charge of the work.	Cum	325.07 400.0	-	-	0.00	400.0	0	0.00	0.00	
7	KSSRB M2100-1.1 Earth work in Excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per MORTH specification No.304 B. in Ordinary soil upto 3m depth(By manual means) as directed by the Engineer in charge of the work.	Cum	773.71 100.0	-	-	0.00	100.0	0	0.00	0.00	
8	Providing and filling in foundation with Granite trap broken metal 100mm and down size, with approved sand including hand packing, ramming,watering, including cost of all materials and labour with all lead and lift.complete as per specifications as directed by the Engineer in charge of the work.	Cum	119.01 2000.0	208.30	-	148.76	2000.0	297520	208.30	422161.92	
	Quantity above 125%	Cum	2093.16	-	-	59.54	2093.16	124641.92			
9	KSRB 2.8 : Providing and Filling in foundation with granite I trap broken metal 100mm (available boulders obtained from dismantaling of masonary including charges for breaking into pieces) and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift.,complete as per specifications.specification. No. KBS as directed by the Engineer in charge of the work.	Cum	220.80 1200.0	3.38	-	3.38	1200.0	4056	3.38	4056.00	

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It. no.	Description of Work	Unit	Rate	Previous Quantity		Present Quantity			Total Upto Date		Remarks
				Qty	Amount	Qty	Rate	Amount	Qty	Amount	
10	KSRRB M2100-10 - Plain Cement Concrete M10 with OPC cement @ 220 kgs. with crushed 40mm and down size graded metal coarse aggregates @0.84 Cum and fine aggregates @ 0.56Cum, in foundation mechanically mixed placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No.2100 all leads and lifts as directed by the Engineer in charge of the work.	Cum	5800.0	100.33 -	-	100.33	5800.0	581914.00 581889.17	100.33	581914.00 581914.00	
11	KSRRB M 2100-17.2 : Plain reinforcement Cement Concrete design mix M25 with OPC cement @340 kgs. with 20mm and down size graded granite metal coarse aggregates @ 0.70Cum and fine aggregates @0.47Cum with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, **open foundation** complete as per Drawing and Technical Specification with Batching plant, transit mixer and concrete pump. MORTH Specification No. 1500, 1700 & 2100 all leads and lifts as directed by the Engineer in charge of the work	Cum	5800.0	142.25	-	142.25	5800.0	825077.55 825050.00	142.25	825050.00	
12	KSRRB M 2200-5.12 : Design mix M25 sub structure with OPC cement @340kgs. with 20mm and down size graded granite metal coarse aggregates @0.7Cum and fine aggregates @0.47Cum with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 upto 5 mtrs. Upto 5 Mtrs height all leads and lifts as directed by the Engineer in charge of the work.	Cum	6800.0	156.55 -	-	156.54	6800.0	1064482.2 1064472.00	156.54	1064472.00	
13	KSRRB M2300-8.i Furnishing and Placing Reinforced/ Prestressed cement concrete in super-structure as per drawing and Technical Specification complete as per specifications. D. RCC / PSC with OPC cement design mix M35 @ 390kgs. with 20mm and down size graded granite metal coarse aggregates @0.68cum and fine aggregates @ 0.45cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008. Case - II : Using Batching Plant, Transit Mixer & Concrete Pump MORTH Specification No. 1500,1600 & 1700. Height upto 5 m all leads and lifts as directed by the Engineer in charge of the work.	Cum	7000.0	10.09 -	-	1.31	7000.0	9170	10.09	76448.69	
	Quantity above 125%		7662.72	-	-	8.78	7662.72	67278.68			
14	Supplying,fitting and placing TMT bar reinforcement in sub-structure complete as per drawing and technical specifications complete as per specifications. TMT Bars Fe 500 all leads and lifts as directed by the Engineer in charge of the work.	MT	48000.0	24.71 -	-	24.71 22.3	48000.0	1070400=00 1186080	24.71 22.3	1070400=00 1186080.00	

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Item no.	Description of Work	Unit	Rate	Previous Quantity		Present Quantity			Total Upto Date		Remarks
				Qty	Amount	Qty	Rate	Amount	Qty	Amount	
15	Supplying,fitting and placing TMT bar reinforcement in super-structure complete as per drawing and technical specifications complete as per specifications. TMT Bars Fe 500 all leads and lifts as directed by the Engineer in charge of the work.	0.12 MT	50000.0	1.17	0.15	0.15	50000.0	7500	1.17	72585.02	
	Quantity above 125%	MT	63808.84	-	1.02	1.02	63808.84	65085.02 (65117.56)			
16	PVC pipes 2.50 kg/sqm 110mm outer dia as directed by the Engineer in charge of the work.	139.80 Rmt	160.0	79.50	-	79.50	160.0	12720	79.50	12720.00	
17	KSRRB M2200.9. Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2500.4.2.2 of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification complete as per specifications with all lead and lifts, etc., after breaking of clods complete as per specifications and as per direction of Engineer in-charge.page no 229/28.13 all leads and lifts as directed by the Engineer in charge of the work.	207.90 Cum	1200.0	272.16 -	259.88	259.88	1200.0	311856	272.16	327614.06	
	Quantity above 125%	Cum	1283.23		12.28	12.28	1283.23	15758.06			
18	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering including cost of all labour complete as per specifications all leads and lifts as directed by the Engineer in charge of the work.	207.90 Cum	120.0	-	-	0.00	120.0	0	0.00	0.00	
19	KSRRB M100-1 Collecting, Conveying and disposal of surplus/excavated earth including Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum to designated dumping site all leads and lifts for disposal as directed by the Engineer in charge of the work.	1612.17 Cum	100.0	1624.79 -	-	1563.17 1608.26	100.0	160826.38 156317.00	1608.26 1563.17	160826.38 156317.00	

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Item no.	Description of Work	Unit	Rate	Previous Quantity		Present Quantity			Total Upto Date		Remarks
				Qty	Amount	Qty	Rate	Amount	Qty	Amount	
20	KSRB 4-1.5 : Providing and laying in position plain Cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1.4.2 all leads and lifts as directed by the Engineer in charge of the work.	12.5 Cum	5500.0	-	-	0.00	5500.0	0	0.00	0.00	
21	Supplying and fixing MS. Rectangular poles made out of 2 equal angles of 65x65~6m m welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead and lift and as per the directions of the Engineer-in-charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting. (excluding cost of earth work and concrete)	300 Rmt	900.0	166.40	-	166.40	900.0	149760	166.40	149760.00	
22	Providing and fixing MS block pipe of 38mm dia of heavy guage of 14 including removing the bends, cutting the pipes and fixing pipe in between the two vertical poles (M.S rectangular poles) and spot welding the chain link with M.S block pipe including cost of all materials wastage in cutting and scaffolding wherever necessary with all lead and lift as directed by the engineer in charge of work etc, complete including two coats of approved quality paint over one coat of shop paint	1500.00 Rmt	300.0	693.20	-	693.20	300.0	207960	693.20	207960.00	
23	Providing chain link fencing 50 mm size of 8 gauge properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint.	750.00 Sqm	500.0	438.34	-	438.34	500.0	219170	438.34	219170.00	
24	Providing and fixing 50mm diameter and 750mm long perforated GI pressure relief pipe with one end closed by perforated GL plate and other end provided with alluminium lid hinged to pipe including cost of all materials,labour, drilling 8mm dia holes etc., complete all leads and lifts as directed by the Engineer in charge of the work.	15 Nos	400.0	-	-	0.00	400.0	0	0.00	0.00	

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Item no.	Description of Work	Unit	Rate	Previous Quantity		Present Quantity			Total Upto Date		Remarks
				Qty	Amount	Qty	Rate	Amount	Qty	Amount	
25	WRD Providing and fixing 20mm thick 150mm depth tarfelt expasion joint filler board for cement concrete lining of canal including cost of all materils, labour etc. Complete all leads and lifts as directed by the Engineer in charge of the work.	Rmt	100.0	56.80	-	56.80	100.0	5680	56.80	5680.00	
	ERL ITEMS			-	-						
E1	cutting of road surface for pipeline treaches and disposing of the excavated stuff as directed including barricading danger lighting etc., in the Asphalt surface road including cost of materials labour HOM complete as per specification (P269/37.38)	Cum	336.65	32.40	-	32.40	336.65	10907.46	32.40	10907.46	
E2	KSRRB M200-12.3 Dismantling of Existing Structures like Culverts,Bridges,Retaining Walls and other structures comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding where ever necessary,sorting the dismantled material,disposal of unserviceable material and stacking the serviceable material with ail lifts complete as per specifications.(Prestressed/ reinforced cement concrete grade M20 and above) as directed by the Engineer in charge of the work.	Cum	1011.93	8.64	-	8.64	1011.93	8743.08	8.64	8743.08	
E3	KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications.	Cum	251.50	226.80	-	226.80	251.50	57040.2	226.80	57040.20	
E4	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs. with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	6869.62	25.92	-	25.92	6869.62	178091.4637 178060.55	25.92	178060.55	
E5	Supplying and fixing Precast reinforced concrete slab 30 cm thick including cost of reinforcement as per desing and drawing materials cost transpotion, hire charges of machinery, machine cutting the	Cum	5431.12	111.24	-	111.24	5431.12	604157.79	111.24	604157.79	
E6	Supplying and fixing Precast reinforced concrete slab 10 cm thick including cost of reinforcement as per desing and drawing materials cost transpotion, hire charges of machinery, machine cutting the	Cum	1854.69	52.53	-	52.53	1854.69	97426.87	52.53	97426.87	

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Item no.	Description of Work	Unit	Rate	Previous Quantity		Present Quantity			Total Upto Date		Remarks
				Qty	Amount	Qty	Rate	Amount	Qty	Amount	
E7	KSRB 12-3.1 : Providing and laying in position plain cement concrete of mix M 7.5 using 40mm and down size graded granite / trap metal for haunching of 230mm internal diameter stoneware pipes, concrete machine mixed laid in ayers not exceeding 15 cms thick, well compacted, including cost of materials, labour charges, form work, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1 / 4.2	Cum	739.64	-	-	84.40	739.64	62425.62	84.40	62425.62	
E8	KSRB 12-5.1 : Constructing brick masonry circular type manhole 0.91 m internal dia at bottom 0.91m deep and 0.56m dia at top with table moulded non-modular bricks of 50 class designation 50 in cement mortar 1:4, inside cement plastered 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and downsize granite metal and making necessary channel in cement concrete M 50 with 20mm and downsize granite metal finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diametre confirming IS : 12592, total weight cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4, 20mm and downsize broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges. HOM of mechineries complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid separately) Specification No. KBS 12.4	Cum	20916.78	-	-	2.00	20916.78	41833.56	2.00	41833.56	
E9	KSRB 12-8.3 : Constructing brick masonry inspectlori chamber 600x850mm, and 450mm depth, (clear inside dimension) for pipeline with three or more inlets, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover With frame (light duty) 455x610mm internal dimensions, total weight of cover1 with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finished smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.	Cum	8730.10	-	-	3.00	8730.10	26190.3	3.00	26190.30	
E10	KSRB 12-8.3.1 : Extra for Item no. KSRB12-8.3 depth beyond 450mm and brick masonry chamber with table moulded non-modular bricks of class designation 50 in cement mortar 1:5 for every 150mm depth or part thereof including cost of materials, labour charges,	Cum	958.46	-	-	12.00	958.46	11501.52	12.00	11501.52	

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Item no.	Description of Work	Unit	Rate	Previous Quantity		Present Quantity			Total Upto Date		Remarks
				Qty	Amount	Qty	Rate	Amount	Qty	Amount	
E11	KSRB 13-9.1 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 63mm ounside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications	50 Mtr	344.57	50 -	-	50.00	344.57	17228.5	50.00	17228.50	
E12	Providing and fixing Chorinated Poiy Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 20mm nominal OD pipes	84 Mtr	168.32	84 -	-	84.00	168.32	14138.88	84.00	14138.88	
E13	KSRB13-6.5-1 : Providing and fixing in position 15mm nominal bore brass ferrule with C.I mouth cover including boring and tapping the P main, cost of all materials, labour and HOM of equipments with all leads complete as per specifications. 20 mm dia nominal	7 Mtr	594.09	7 -	-	7.00	594.09	4158.63	7.00	4158.63	
E14	Providing and laying cement concrete using 20mm and down size 'g ra n ite coarse aggregates and fine aggregates of ready mixed concrete H f ' for RCC works laid in 15 cm thick layers and well compacted including 1% vibrating curing etc., with all lead and lift etc., complete, (exculsive of ' cost of steel and fabrication charges) Ready mixed Cement concrete M-30	22.66 Cum	6181.47	22.66 -	-	22.66	6181.47	140072.11 140065.928	22.66	140072.11 140065.93	
E15	KSRRB 300 - Excavation for road. drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	51.85 Cum	111.89	51.85 -	-	51.85	111.89	5801.38	51.85	5801.38	
	Total Summary Amount									6839218=00 6950411.23	

Restricted to 696816.07

GST 12% 820680=00

Total Amt : 7659680=00

Assistant Executive
SWD Dasarahalli Zone,BBMP.

Assistant Executive Engineer
SWD Dasarahalli Zone,BBMP.

Executive Engineer,
SWD Dasarahalli Zone,BBMP.

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